

# FE75

Diagram No. 1210-3

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT (HYDROGRAPHIC)

Type of Survey ..... Field Examination .....

Field No. ....

Office No..... FE-75 .....

### LOCALITY

State ..... Rhode Island .....

General Locality ..... Narragansett Bay .....

Locality ..... Quonset Point .....

19 49

CHIEF OF PARTY

W. J. Chovan

### LIBRARY & ARCHIVES

DATE ..... June 24, 1949 .....

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as;

FE No.1 1949

# FE75



# FE No.1 1949

FE-75

Diag'd. on Diag. Ch. No. 1210-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. .... Office No. F.E. NO.1, 1949

### LOCALITY

State Rhode Island

General locality Narragansett Bay

Locality Quonset Point

194 9

CHIEF OF PARTY

W.J.Chovan

LIBRARY & ARCHIVES

DATE June 24, 1949

B-1870-1 (1)

37175

FE No.1  
1949



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. ~~H-6970-1974~~

Field No. \_\_\_\_\_

State \_\_\_\_\_ RHODE ISLAND

General locality \_\_\_\_\_ NARRAGANSETT BAY

Locality \_\_\_\_\_ TURNING BASIN AREA AT QUONSET POINT

Scale \_\_\_\_\_ 1:10,000 Date of survey 13 June 1949

Instructions dated 3 June 1949, 22/MEK; S-2-HI

Vessel \_\_\_\_\_ HILGARD

Chief of party \_\_\_\_\_ WALTER J. CHOVAN

Surveyed by \_\_\_\_\_ WALTER J. CHOVAN

Soundings taken by fathometer, ~~graphic recorder, hand lead, wire~~ No. 58

Fathograms scaled by \_\_\_\_\_ J.W.W.

Fathograms checked by \_\_\_\_\_ T.R.B.

Protracted by \_\_\_\_\_

Soundings penciled by \_\_\_\_\_

Soundings in ~~fathoms~~ feet at MLW ~~MLW~~

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



DESCRIPTIVE REPORT  
TO ACCOMPANY *FE No. 1, 1949*  
BLUE-LINED HYDROGRAPHIC SHEET, ~~H-6970, 1944~~  
VICINITY OF QUONSET POINT  
RHODE ISLAND  
Scale: 1:10,000 13 June 1949

PROJECT:- In accordance with special instructions addressed to the Commanding Officer Ship HILGARD dated 3 June 1949. Reference 22/MEK; S-2-HI the two 30 foot depths within the turning basin area at Quonset Point, Rhode Island were investigated on 13 June 1949.

VESSEL & EQUIPMENT:- The Ship HILGARD was used in this survey using fathometer - 808J No. 58.

BOAT SHEET:- Blue-lined hydrographic sheet, H-6970, 1944, Scale 1:10,000 was furnished by the office for this investigation.

CONTROL STATIONS:- Previously located natural objects which appeared on the sheet were used for control.

SOUNDINGS:- The fathometer was used in obtaining the soundings for this investigation. A very good bar check was obtained before work began, but obtaining good bar check in the P.M. was prevented by strong currents.

REDUCTION OF SOUNDINGS:- Predicted tides were used in the reduction of soundings. Newport predicted tides corrected as follows:-  
Added 1 hour and 10 minutes to the time, and added 0.3 feet to high water.

Soundings were recorded on 60th Meridian Time.

SHOALS AND RECOMMENDATION:-

27 ~~28.0~~ foot sounding was found at position 4A and 10A in Latitude  $41^{\circ}34'$  -  
1688m (163m); Longitude  $71^{\circ}23'$  127<sup>9</sup>m (~~111~~<sub>120</sub>m)

It is recommended that the <sup>27</sup>~~28~~ foot sounding be charted instead of the 30 foot sounding shown on chart.

<sup>0</sup>  
<sup>1794</sup> 30.8 foot sounding was found at position 68A in Latitude  $41^{\circ}35'$  <sup>57</sup>~~43~~m -  
(~~1808~~<sub>1794</sub>m); Longitude  $71^{\circ}24'$  <sup>89</sup>~~87~~m (<sup>1296</sup>~~1301~~m).

It is recommended that the 30 foot sounding as now shown on the chart be retained.

Respectfully submitted,

*Walter J. Chovan*  
Walter J. Chovan  
Lt. Comdr. USC&GS  
Comdg. Ship HILGARD

WJC/trb



831 *ACE*

22/MEK  
S-2-HI

3 June 1949

To: Commanding Officer  
USC&GS Ship HILGARD  
611 Federal Office Building  
90 Church Street  
New York 7, N. Y.

Subject: INSTRUCTIONS--FIELD EXAMINATION, VICINITY OF QUONSET  
POINT, RHODE ISLAND

1. There is being transmitted to you, under separate cover, a blue-lined hydrographic sheet, scale 1:10,000, on which are indicated by red ink two 30-foot depths within the turning basin area at Quonset Point, Rhode Island.
2. During the time you are in this vicinity in connection with your Coast Pilot examination, you will make a hydrographic field examination to verify or disprove the existence of the above depths. It appears that there are a sufficient number of previously located natural objects which will afford control for the necessary hydrography.
3. The tide gage at Newport, Rhode Island, will be used to control the reduction of soundings, but it will not be necessary to make a regular inspection of the station. You will ascertain, however, that the tide gage is operating satisfactorily before beginning hydrography.
4. Upon completion of the hydrography, you will inform this office the results of the examination, giving definite recommendations relative to the retention, deletion, or the charting of a new depth. Processing of the records may then be accomplished at your convenience without further delay to your Coast Pilot examination.
5. You will please acknowledge the receipt of these instructions.

*(Signed)* J. H. Hawley

*Acting* Director.

cc. Coast Pilot Section  
Mr. Edmonston ✓  
Hydrography Section



20 June 1949

To: Hydrographic Office  
Navy Department  
Washington 25, D. C.

Subject: Field Examination - Quonset Point, R. I.

In confirmation of the information advanced by telephone on 17 June 1949, this Office is forwarding a copy of the report of the 13 June 1949 field examination off Quonset Point, Rhode Island.

From this report, hand corrections and the next Notice to Mariners are changing to 28 feet the charted 30 foot shoal about 75 yards northwest of lighted black buoy No. 1 (Qk Fl W).

*Walter J. H. Hawley*

Acting Director



RHC

## TIDE NOTE FOR HYDROGRAPHIC SHEET

July 19, 1949

~~Division of Hydrography and Topography:~~

Division of Charts: R. H. Carstens

Plane of reference approved in  
1 volumes of sounding records for

HYDROGRAPHIC SHEET FE No. 1 1949

Locality Narragansett Bay, Rhode Island

Chief of Party: W. J. Chovan in 1949  
Plane of reference is mean low water, reading  
1.4 ft. on tide staff at Newport  
36.0 ft. below B. M. 1 (1930)

Height of mean high water above plane of reference is 3.5 feet.

Condition of records satisfactory except as noted below:

*E. C. McKay*

*Section*

Chief, ~~Division of Tides and Currents.~~



Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E..NO..1, 1949

Records accompanying survey:

Boat sheets <sup>1</sup>.....; sounding vols. <sup>1</sup>.....; wire drag vols. ....;  
bomb vols. ....; graphic recorder rolls <sup>1</sup>envel.....;  
special reports, etc. ....  
.....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	78
Number of positions checked	12
Number of positions revised	4
Number of soundings revised (refers to depth only)	2
Number of soundings erroneously spaced	-
Number of signals erroneously plotted or transferred	-
Topographic details	Time -
Junctions	Time -
Verification of soundings from graphic record	Time 1/2 hr.

Verification by *W. Evans* Total time 2 1/2 hrs. Date 19 July 1949

Reviewed by *J. J. Jordan* Time 2 hrs. Date 3 Feb 1949



REVIEW OF F.E. NO. 1, 1949

This field examination was made to investigate two charted 30-ft. soundings falling in a dredged area. The soundings originated with dredging surveys by the Corps of Engineers (Bp. 37856) and were recommended for retention on the charts in the review of H-6970 (1944).

A least depth of 27 ft. was found at the position of one of the 30-ft. soundings, and the other 30 ft. sounding was verified. The soundings are plotted on the attached section of the boat sheet.

A comparison with H-6970 (1944) reveals that in parts of the common area present depths are as much as 3 ft. shoaler than depths on the prior survey.

This examination was applied to Chart 236, dated July 18, 1949, before verification. One of the revised soundings is the 27-ft. sounding in lat.  $41^{\circ} 34.91'$ , long.  $71^{\circ} 23.92'$ , now charted as 28 ft.

February 3, 1950

G. F. Jordan

Approved by: R. H. Carstens



41° 36'

71° 24'

41° 36'

F. E. No. 1, 1949

NARRAGANSETT BAY, R.I.

Scale 1:10,000

Surveyed in June 1949  
sdgs in ft. at MLW

, A.O.B. 1944) △

1944) △

QUONSET PT.

INCINERATOR, N.A.S., 1944) △

(high point of power plant) Bed

breakwater

, 1944) △

LEAST DEPTH  
(30.8 FEET.)

added to ch 236  
7/29/53 ROG

LEAST DEP



## NAUTICAL CHARTS BRANCH

SURVEY NO. F.E. No. 1, 1949

## Record of Application to Charts

[illegible]

**M-2168-1**

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.**